

### **ABSTRACT**

A photosensitive device, such as would be found in a digital scanner or camera, includes at least two sets of photosensors, the video signals from which are multiplexed together. While the two video paths are separate, before the multiplexing step, an offset correction process is carried out on each video path. After multiplexing, a final offset correction process is carried out to the combined signals, to remove offsets associated with the combined video path.